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YOUNG & BASILE

NO. 474 P. 1

Our Reference: SLN-104-A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Farshid Ahmady
Serial Number: 10/774,025
Filing Date: February 6, 2004
Examiner/Art Group Unit: Steven Michael Gravini/3749
Title: VARIABLE LOW INTENSITY INFARED HEATER

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Respectfully submitted,

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Date: March 17, 2005

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delivering a low gas flow to the burner and a high setting for delivering a high gas flow to the burner; and

~~providing a two stage blower having a low speed for delivering a low air flow to the inlet of the burner and a high speed for delivering a high air flow to the inlet of the burner~~ wherein the method comprises the steps of; and

(i) operating the blower at the low speed while operating the regulator at the low setting to heat the room; and ~~when the regulator is operating at the low setting~~

(ii) operating the blower at the high speed while operating the regulator at the high setting to heat the room ~~the high speed when the regulator is operating at the high setting.~~

19. (Original) A method according to claim 18 wherein the method includes the further steps of:

defining a temperature set point of the room;

defining a programmed temperature differential;

monitoring the temperature of the room;

igniting the burner when the room temperature is less than the temperature set point;

defining a temperature threshold as the temperature set point minus the temperature differential;

operating the blower at the high speed and the regulator at the high setting when the room temperature is equal to or below the temperature threshold; and

operating the blower at the low speed and the regulator at the low setting when the room temperature is greater than the temperature threshold and lower than the set point temperature.

20. (Previously Presented) A method according to claim 18 wherein the regulator has two valves operating in parallel and wherein the method includes the

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step of opening one valve and closing one valve when the regulator is operating at the low setting and opening both valves when the regulator is operating at the high setting.

21. (Original) A method of heating a room with an infrared heater of the type including a burner having an inlet for receiving an air and gas mixture and an exhaust for emitting exhaust gases generated by combustion within the burner, an elongated radiant heating tube having an inlet for receiving the exhaust gases emitted by the burner, a gas flow control assembly for controlling the flow of gas to the burner, and a two stage blower for controlling the flow of air to the burner, the method comprising the steps of:

- defining a temperature set point of the room;
- defining a programmed temperature differential;
- monitoring the temperature of the room;
- igniting the burner when the room temperature is less than the temperature set point;
- defining a temperature threshold as the temperature set point minus the temperature differential;
- operating the blower at the high level when the room temperature is equal to or below the temperature threshold; and
- operating the blower at the low level when the room temperature is greater than the temperature threshold and lower than the set point temperature.

22. (Original) A method according to claim 21 wherein the gas flow control assembly is a two stage regulator and wherein the method includes the further step of operating the regulator at a high level when the blower is operating at the high level and operating the regulator at a low level when the blower is operating at a low level.

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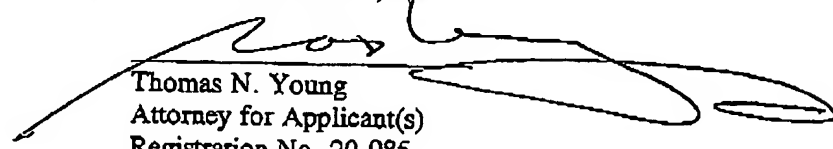
REMARKS

This amendment is being submitted pursuant to 37 CFR § 1.312 Amendment After Allowance. The amendment is being made before payment of the issue fee and applicant requests a recommendation by the primary examiner to enter same. The amendment is essentially a matter of form, i.e., it effects only Claim 18 and essentially revises the preamble of the claim to include all of the apparatus aspects including those previously defined in "providing" steps. The active steps of the method are now two in number and include the subject matter previously set forth in the last step of the previously submitted claim. The overall substance is the same, but ambiguity as to the active steps of the method has been eliminated.

This amendment does not require the application to be withdrawn from issue and does not require any further search or consideration of substantive issues by the examiner. Entry is respectfully solicited.

Respectfully submitted,

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